

CITGO Lemont Inspection Photograph Log

Tuesday, June 8, 2010

1. SRU A Pit air intake
2. SRU A Pit air intake top
3. SRU A Pit air intake top
4. SRU A Pit eductor
5. SRU A Oxidizer
6. SRU A Oxidizer burner and pit vapor line
7. SRU B Pit air intake
8. SRU B Pit air intake
9. SRU B Pit eductor
10. SRU B Oxidizer
11. SRU B Oxidizer
12. SRU B Oxidizer (blurred)
13. SRU B Oxidizer
14. SRU A Oxidizer stack
15. SRU B Oxidizer stack
16. C-3 Flare (left) and C-2 Flare (right)
17. C-3 Flare
18. C-3 Flare tip
19. C-3 Flare tip
20. C-2 Flare
21. C-2 Flare tip
22. C-4 Flare (left) and (Needle) Coker 2
23. C-4 Flare
24. Coker 1
25. C-3 Flare tip and molecular seal
26. C-3 Flare platform
27. SRU D Claus air blower and reactor
28. SRU D Claus oxygen enrichment to combustion air line
29. SRU D Pit air intake
30. SRU D Pit air intake top (blurred)
31. SRU D Pit air intake top
32. C-3 Flare platform
33. SRU C Pit air intake
34. SRU C Pit air intake top
35. SRU C Pit eductor with drain
36. Pit vapor line to condenser
37. Pit vapor line to condenser (close up)
38. FCCU
39. FCCU WGS plume
40. Crude Unit (upper)
41. Crude Unit (lower)
42. FCCU reactor
43. FCCU regenerator
44. FCCU stripper
45. FCCU SCR
46. FCCU WGS plume
47. FCCU WGS plume

- 48. C-5 Flare (Alky)
- 49. C-5 Flare tip
- 50. Support structure for new FCCU regenerator head
- 51. FCCU WGS and SCR
- 52. PTU building
- 53. FCCU WGS
- 54. CEMS on FCCU WGS stack
- 55. FCCU WGS recirculation pumps
- 56. FCCU spent cat hopper (left) and fresh cat hopper (right)
- 57. FCCU fresh cat loading line and additive totes

Wednesday, June 9, 2010

- 58. #2 Reformer high pressure separator with regeneration vent stack
- 59. Truck picking up coke from pile
- 60. Truck picking up coke from pile
- 61. Coke pit
- 62. Coke pit
- 63. Deep pit (quench water)
- 64. Coke pit, maze, deep pit
- 65. Spill-over from maze to deep pit
- 66. Bottom of coke drums
- 67. Coke drum steam vent
- 68. Coke drum steam vent
- 69. Coke drum steam vent
- 70. Coke drum steam vent
- 71. Coke drum steam vent
- 72. Coke drum steam vent
- 73. FCCU WGS plume
- 74. FCCU WGS plume
- 75. FCCU WGS plume
- 76. FCCU WGS plume
- 77. South Plant FGR system
- 78. FCCU WGS plume
- 79. South Plant FGR compressor
- 80. FCCU WGS plume
- 81. FCCU WGS plume
- 82. FCCU WGS plume
- 83. FCCU WGS plume
- 84. FCCU WGS plume
- 85. C-5 (Alky) Flare caustic scrubber (left) and K.O. drum (right)
- 86. C-5 (Alky) Flare tip
- 87. C-5 (Alky) Flare
- 88. Crude Unit
- 89. South Plant FGR compressor
- 90. New FCCU cyclones
- 91. Replacement coke drums
- 92. Panametrics flow meter on C-2 Flare
- 93. Natural gas purge above water seal on C-2 Flare header
- 94. Natural gas and steam purge upstream of C-2 Flare
- 95. C-2 Flare seal level indicator

Thursday, June 10, 2010

- 96. ULSD heaters H-1 and H-2 (upper)
- 97. ULSD heaters H-1 and H-2 (lower)
- 98. Inside of ULSD heater
- 99. Inside of ULSD heater
- 100. ULSD heater burner nameplates
- 101. ULSD heater burner nameplates
- 102. ULSD heater burner nameplates
- 103. ULSD heater burner assembly
- 104. ULSD reactor (upper)
- 105. ULSD reactor (lower)
- 106. Burner on Unit 115 heater 15B-1
- 107. Burner on Unit 115 heater 15B-1
- 108. Unit 115 new reactor (left), heater 15B-2 (center), heater 15B-1 (right)
- 109. Inside of Crude heater
- 110. Inside of Crude heater
- 111. Inside of Crude heater
- 112. Asbestos insulated piping adjacent to Crude heater
- 113. Benzene product sampling equipment
- 114. Benzene product sample point

Friday, June 11, 2010

- 115. Back of vacuum Truck 470
- 116. Vent of vacuum Truck 470
- 117. Nameplate on vacuum Truck 470 vent
- 118. Back of vacuum Truck 7294
- 119. Vent of vacuum Truck 7294
- 120. Benzene-containing lab waste receiving drums (on lab building back dock)

CITGO Lemont

June 8, 2010

1. SRU A Pit Air Intake



C-5

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

2. SRU A Pit Air Intake Top



C-6

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

3. SRU A Pit Air Intake Top



C-7

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

4. SRU A Pit Eductor



C-8

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

5. SRU A Oxidizer



C-9

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

6. SRU A Oxidizer Burner and Pit Vapor Line



C-10

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

7. SRU B Pit Air Intake



C-11

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

8. SRU B Pit Air Intake



C-12

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

9. SRU B Pit Eductor



C-13

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

10. SRU B Oxidizer



C-14

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

11. SRU B Oxidizer



C-15

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

12. SRU B Oxidizer (Blurred)



C-16

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

13. SRU B Oxidizer



C-17

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

14. SRU A Oxidizer Stack



C-18

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

15. SRU B Oxidizer Stack



C-19

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

16. C-3 Flare (left) and C-2 Flare (right)



C-20

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

17. C-3 Flare



C-21

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

18. C-3 Flare Tip



C-22

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

19. C-3 Flare Tip



C-23

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

20. C-2 Flare



C-24

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

21. C-2 Flare Tip



C-25

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

22. C-4 Flare (left) and (Needle) Coker 2



C-26

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

23. C-4 Flare



C-27

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

24. Coker 1



C-28

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

25. C-3 Flare Tip and Molecular Seal



C-29

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

26. C-3 Flare Platform



C-30

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

27. SRU D Claus Air Blower and Reactor



C-31

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

28. SRU D Claus Oxygen Enrichment to Combustion Air Line



C-32

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

29. SRU D Pit Air Intake



C-33

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

30. SRU D Pit Air Intake Top (Blurred)



C-34

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

31. SRU D Pit Air Intake Top



C-35

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

32. C-3 Flare Platform



C-36

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

33. SRU C Pit Air Intake



C-37

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

34. SRU C Pit Air Intake Top



C-38

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

35. SRU C Pit Eductor with Drain



C-39

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

36. Pit Vapor Line to Condenser



C-40

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

37. Pit Vapor Line to Condenser (close up)



C-41

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

38. FCCU



C-42

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

39. FCCU WGS Plume



C-43

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

40. Crude Unit (Upper)



C-44

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

41. Crude Unit (Lower)



C-45

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

42. FCCU Reactor



C-46

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

43. FCCU Regnerator



C-47

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

44. FCCU Stripper



C-48

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

45. FCCU SCR



C-49

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

46. FCCU WGS Plume



C-50

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

47. FCCU WGS Plume



C-51

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

48. C-5 Flare (Alky



C-52

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

49. C-5 Flare Tip



C-53

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

50. Support Structure for New FCCU Regenerator Head



C-54

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

51. FCCU WGS and SCR



C-55

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

52. PTU Building



C-56

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

53. FCCU WGS



C-57

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

54. CEMS on FCCU WGS Stack



C-58

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

55. FCCU WGS Recirculation Pumps



C-59

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

56. FCCU Spent Cat Hopper (left) and Fresh Cat Hopper (right)



C-60

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

57. FCCU Fresh Cat Loading Line and Additive Totes



C-61

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

CITGO Lemont

June 9, 2010

C-62

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

58. #2 Reformer High Pressure Separator with Regeneration Vent Stack



C-63

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

59. Truck Picking Up Coke from Pile



C-64

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

60. Truck Picking Up Coke from Pile



C-65

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

61. Coke Pit



C-66

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

62. Coke Pit



C-67

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

63. Deep Pit (Quench Water)



C-68

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

64. Coke Pit, Maze, Deep Pit



C-69

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

65. Spill-Over from Maze to Deep Pit



C-70

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

66. Bottom of Coke Drums



C-71

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

67. Coke Drum Steam Vent



C-72

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

68. Coke Drum Steam Vent



C-73

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

69. Coke Drum Steam Vent



C-74

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

70. Coke Drum Steam Vent



C-75

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

71. Coke Drum Steam Vent



C-76

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

72. Coke Drum Steam Vent



C-77

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

73. FCCU WGS Plume



C-78

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

74. FCCU WGS Plume



C-79

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

75. FCCU WGS Plume



C-80

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

76. FCCU WGS Plume



C-81

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

77. South Plant FGR System



C-82

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

78. FCCU WGS Plume



C-83

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

79. South Plant FGR Compressor



C-84

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

80. FCCU WGS Plume



C-85

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

81. FCCU WGS Plume



C-86

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

82. FCCU WGS Plume



C-87

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

83. FCCU WGS Plume



C-88

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

84. FCCU WGS Plume



C-89

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

85. C-5 (Alky) Flare Caustic Scrubber (left) and K.O. Drum (right)



C-90

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

86. C-5 (Alky) Flare Tip



C-91

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

87. C-5 (Alky) Flare



C-92

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

88. Crude Unit



C-93

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

89. South Plant FGR Compressor



C-94

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

90. New FCCU Cyclones



C-95

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

91. Replacement Coke Drums



C-96

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

92. Panametrics Flow Meter on C-2 Flare



C-97

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

93. Natural Gas Purge Above Water Seal on C-2 Flare Header



C-98

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

94. Natural Gas and Steam Purge Upstream of C-2 Flare



C-99

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

95. C-2 Flare Seal Level Indicator



C-100

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

CITGO Lemont

June 10, 2010

C-101

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

96. ULSD Heaters H-1 and H-2 (upper)



C-102

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

97. ULSD Heaters H-1 and H-2 (lower)



C-103

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

98. Inside of ULSD Heater



C-104

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

99. Inside of ULSD Heater



C-105

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

100. ULSD Heater Burner Nameplates



C-106

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

101. ULSD Heater Burner Nameplates



C-107

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

102. ULSD Heater Burner Nameplates



C-108

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

103. ULSD Heater Burner Assembly



C-109

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

104. ULSD Reactor (upper)



C-110

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

105. ULSD Reactor (lower)



C-111

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

106. Burner on Unit 115 Heater 15B-1



C-112

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

107. Burner on Unit 115 Heater 15B-1



C-113

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

108. Unit 115 New Reactor (left), Heater 15B-2 (center), Heater 15B-1 (right)



C-114

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

109. Inside of Crude Heater



C-115

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

110. Inside of Crude Heater



C-116

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

111. Inside of Crude Heater



C-117

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

112. Asbestos Insulated Piping Adjacent to Crude Heater



C-118

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

113. Benzene Product Sampling Equipment



C-119

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

114. Benzene Product Sample Point



C-120

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

CITGO Lemont

June 11, 2010

C-121

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

115. Back of Vacuum Truck 470



C-122

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

116. Vent of Vacuum Truck 470



C-123

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

D NUMBER 512
 AIR CONTROLS CORPORATION
 psi at 200 °F
 °F at 25 psi
 serial # 50105
 Orig. test date 5/25/64
 Max. payload 11,000
 Thick 250
 Thick 570
 Surface area 500

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

118. Back of Vacuum Truck 7294



C-125

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

119. Vent of Vacuum Truck 7294



C-126

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI

120. Benzene-containing Lab Waste Receiving Drums (on Lab Building Back Dock)



C-127

DRAFT ENFORCEMENT CONFIDENTIAL – DO NOT RELEASE
MAY CONTAIN INFORMATION CLAIMED AS CBI